

4. The "Superelevation Table" shown below shows the minimum radius and the related maximum superelevation for design speeds. The maximum rate of roadway superelevation (e) for rural roads with no curb and gutter is 0.08. The maximum rate of superelevation for urban streets with curb and gutter is 0.06, with 0.04 being desirable.

SUPERELEVATION TABLE (METRIC)		
Design Speed	Maximum e*	Minimum Radius m
50 km/h	0.04	100
65	0.04	175
80	0.04	280
100	0.04	490
50	0.06	90
65	0.06	160
80	0.06	250
100	0.06	435
50	0.08	80
65	0.08	145
80	0.08	230
100	0.08	395

e = rate of roadway superelevation, meter per meter

SUPERELEVATION TABLE (ENGLISH)			
Design Speed	Maximum e*	Minimum Radius ft.	Max. Deg. of Curve
30 mph	0.04	302	19 00'
40	0.04	573	10 00'
50	0.04	955	6 00'
60	0.04	1,637	3 45'
30	0.06	273	21 00'
40	0.06	521	11 15'
50	0.06	955	6 45'
60	0.06	1,432	4 15'
30	0.08	260	22 45'
40	0.08	477	12 15'
50	0.08	819	7 30'
60	0.08	1,146	4 45'

* e = rate of roadway superelevation, foot per foot
 (Reference NCDOT Metric Design Manual page 1-12 T-6 thru T-8)